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Notice of Allowability	Application No.	Applicant(s)	
	09/788,471	SASAKI, KOJI	
	Examiner	Art Unit	
	J. Derek Rutten	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Request for Continued Examination filed 23 March 2005.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 23 December 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 23 March 2005 has been entered. Claims 14, 16, and 17 were amended in the 23 December 2004 After Final Amendment, no claims have been canceled, and new claim 18 has been added. Claims 1-18 remain pending in the application and have been fully considered by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Allison Olenginski, Reg. 55,509, on 10 May 2005.

The application has been amended as follows:

1. (CURRENTLY AMENDED) A computer readable medium containing a specification generating program read by a computer connected to an input device and a display device and controlling the computer to execute:

disposing a comment statement including a corresponding unique comment keyword at all positions in a source code where a comment statement can be disposed;

disposing a comment statement at a position in an aggregate including processing procedures in the source code;

extracting comment statements from processing procedures within aggregates in the source code;

storing the extracted comment statements from processing procedures within aggregates in a comment database;

generating specification data using the comment statements stored in the comment database;

~~generating specification data by extracting the comment statements each including the corresponding unique comment keyword and joining the comment statements together;~~

displaying the specification data on the display device;

changing the comment statement in the specification data in accordance with an indication of changing the displayed specification data, when the indication is given through the input device; and

replacing the comment statement in the source code with the comment statement in the specification data whose corresponding unique comment keyword is coincident

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with the corresponding unique comment keyword of said comment statement in the source code.

5. (CURRENTLY AMENDED) A specification generating method comprising:

disposing a comment statement including a corresponding unique comment keyword at all positions in a source code where a comment statement can be disposed;

disposing a comment statement at a position in an aggregate including processing procedures in the source code;

extracting comment statements from processing procedures within aggregates in the source code;

storing the extracted comment statements from processing procedures within aggregates in a comment database;

generating specification data using the comment statements stored in the comment database;

~~generating specification data by extracting the comment statements each including the corresponding unique comment keyword and joining the comment statements together;~~

displaying the specification data on the display device;

changing the comment statement in the specification data in accordance with an indication of changing the displayed specification data, when the indication is given through the input device; and

replacing the comment statement in the source code with the comment statement in the specification data whose corresponding unique comment keyword is coincident with the corresponding unique comment keyword of said comment statement in the source code.

9. (CURRENTLY AMENDED) A specification generating system for generating specification data by extracting comment statements in a source code written in a predetermined programming language, comprising:

an input device;

a display device which displays information;

a computer which reads a program and executes processes based on the program;

and

a storage medium containing a specification generating program which controls the computer to execute:

disposing a comment statement including a unique comment keyword at all positions in a source code where a comment statement can be disposed;

disposing a comment statement at a position in an aggregate including processing procedures in the source code;

extracting comment statements from processing procedures within aggregates in the source code;

storing the extracted comment statements from processing procedures within aggregates in a comment database;

generating specification data using the comment statements stored in the comment database;

~~generating specification data by extracting the comment statements each including the comment keyword and joining the comment statements together;~~

displaying the specification data on the display device;

changing the comment statement in the specification data in accordance with an indication of changing the displayed specification data, when the indication is given through the input device; and

replacing the comment statement in the source code with the comment statement in the specification data whose comment keyword is coincident with the comment keyword of said comment statement in the source code.

13. (CURRENTLY AMENDED) A computer comprising:

an input device;

a disposing unit which disposes a comment statement including a unique comment keyword at all positions in a source code where a comment statement can be disposed;

a disposing unit which disposes a comment statement at a position in an aggregate including processing procedures in the source code;

an extracting unit which extracts comment statements from processing procedures within aggregates in the source code;

a storing unit storing the extracted comment statements from processing procedures within aggregates in a comment database;
generating specification data using the comment statements stored in the comment database;

a generating unit which generates specification data ~~by extracting using the~~ comment statements stored in the comment database ~~each including the comment keyword and joining the comment statements together;~~

a display which displays the specification data;

a changing unit which changes the comment statement in the specification data based on an indication is given through the input device; and

a replacing unit which replaces the comment statement in the source code with the comment statement in the specification data having a comment keyword coincident with the comment keyword of the comment statement in the source code.

14. (CURRENTLY AMENDED) A specification generating method comprising:
disposing a comment statement including a unique comment keyword at a plurality of positions within an interior of an aggregate where a comment statement can be disposed;

disposing a comment statement at a position in an aggregate including processing procedures in the source code;

extracting comment statements from processing procedures within aggregates in the source code;

storing the extracted comment statements from processing procedures within aggregates in a comment database;

generating specification data using the comment statements stored in the comment database;

~~generating specification data by extracting the comment statements each including the comment keyword and joining the comment statements together;~~

displaying the specification data on a display device;

changing the comment statement in the specification in accordance with an indication of changing the displayed specification data, when the indication is given through an input device; and

replacing the comment statement in the source code with the comment statement in the specification data whose comment keyword is coincident with the comment keyword of said comment statement in the source code.

18. (CURRENTLY AMENDED) A computer readable medium containing a specification generating program read by a computer connected to an input device and a display device and controlling the computer to execute:

disposing a comment statement including a corresponding unique comment keyword at positions immediately before aggregates and at positions in aggregates having processing procedures;

creating a comment database by extracting comment statements from positions immediately before aggregates in a source code;

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setting a unique comment keyword;

determining a unique comment keyword insert position;

inserting the unique comment keyword at the unique comment keyword position
in the source code;

extracting comment statements from processing procedures within aggregates;

storing the extracted comment statements from processing procedures within
aggregates in the comment database;

~~disposing a comment statement including a corresponding unique comment
keyword at positions immediately before aggregates and at positions in aggregates having
processing procedures;~~

generating specification data using the comment statements stored in the comment
database;

displaying the specification data on the display device;

editing the specification data, by adding additional data or revising existing data,
using the input device;

converting the edited specification data into comment statements; and

replacing the comment statements in the source code with the comment statement
in the specification data whose corresponding unique comment keyword is coincident
with the corresponding unique comment keyword of said comment statement in the
source code[[,]].

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance: The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, disposing comment statements within aggregates in source code, extracting comments from within aggregates, storing the extracted comments in a database, generating a specification from the extracted comments in the database, editing the specification, and replacing the comment statements in the source code with the edited statements from the specification. These limitations are present in each of independent claims 1, 5, 9, 13, 14, and 18. The distinctions provided by the independent claims apply equally to all dependent claims. Thus all pending claims 1-18 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to J. Derek Rutten whose telephone number is (571) 272-3703. The examiner can normally be reached on T-F 6:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jdr

Chameli C. Das
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PRIMARY EXAMINER
5/16/05